

Figure 1

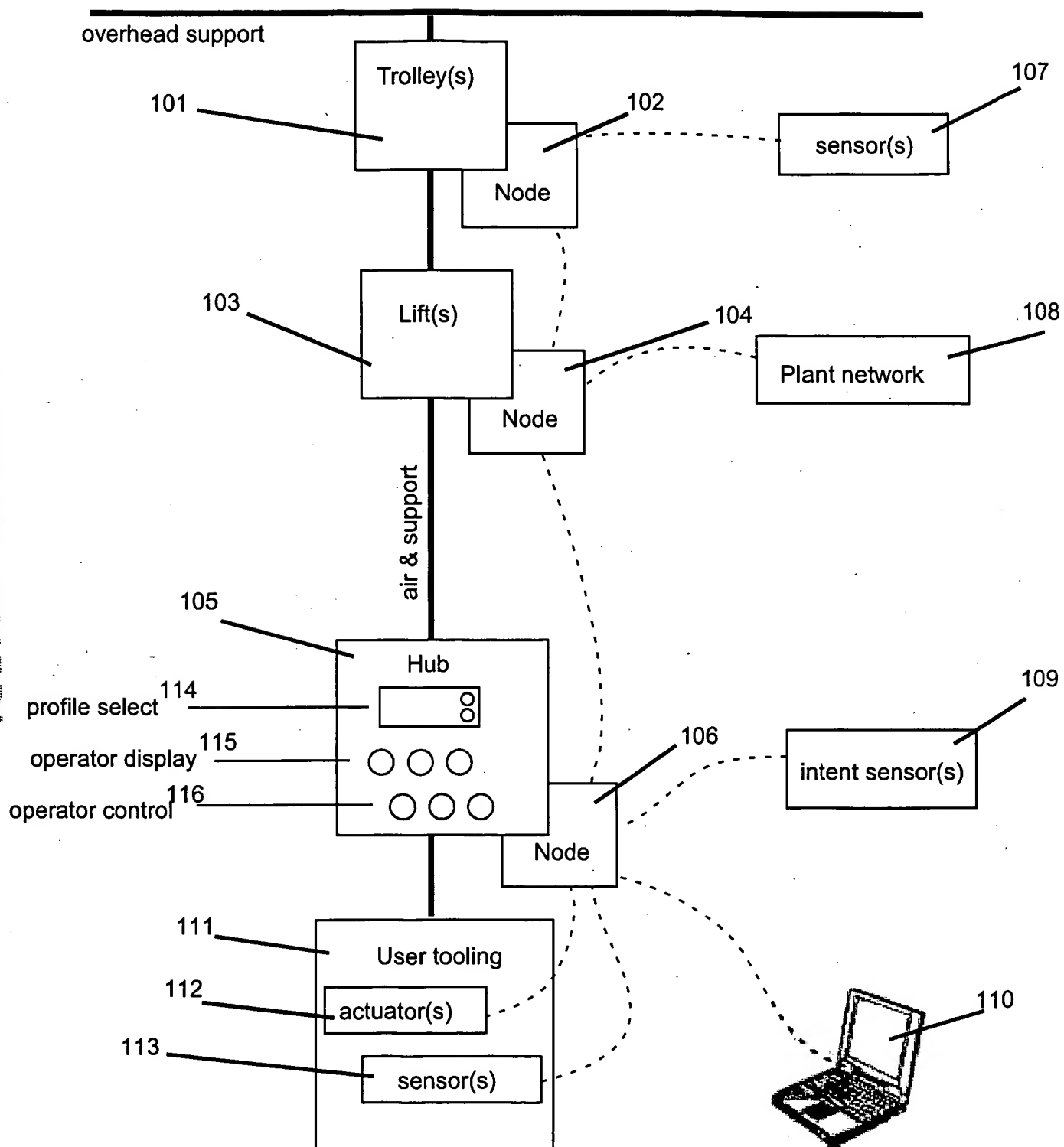


Figure 2

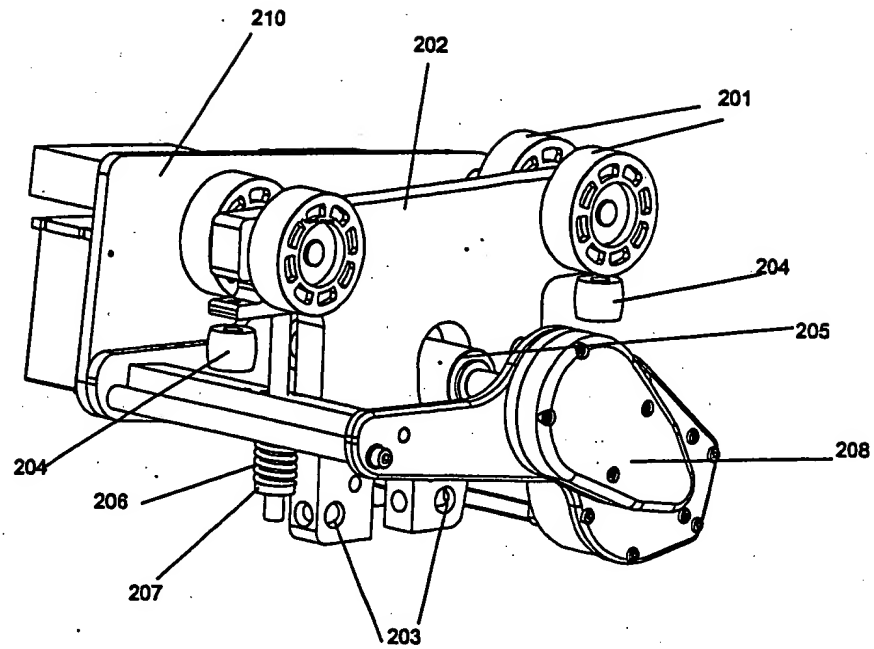


Figure 3

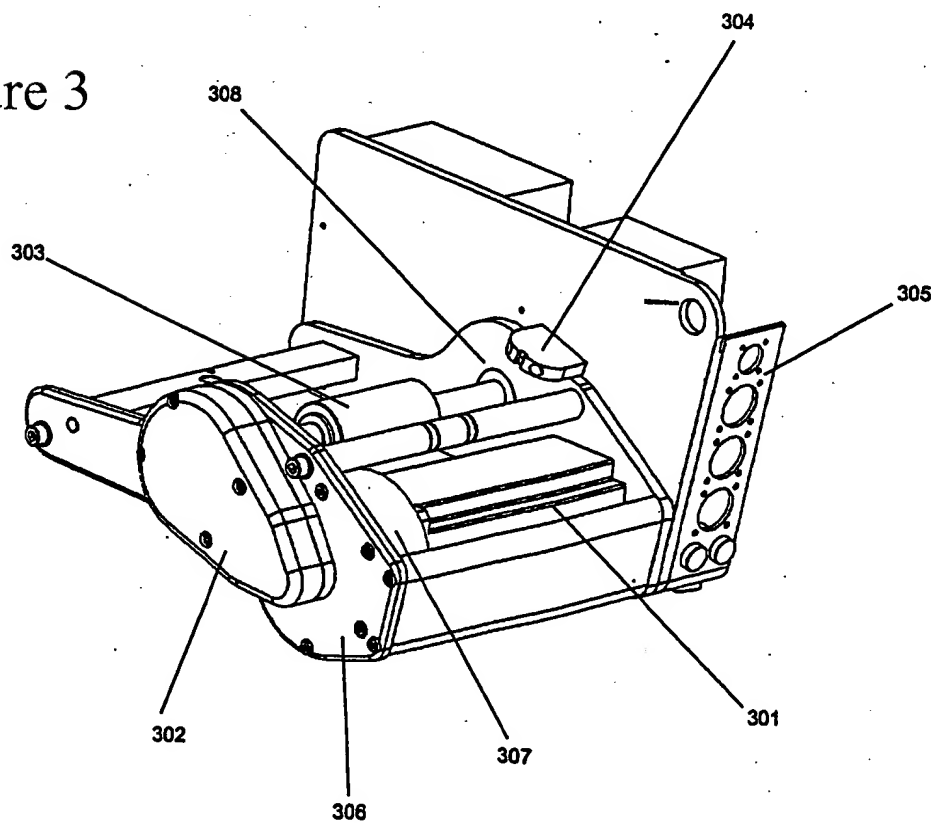


Figure 4

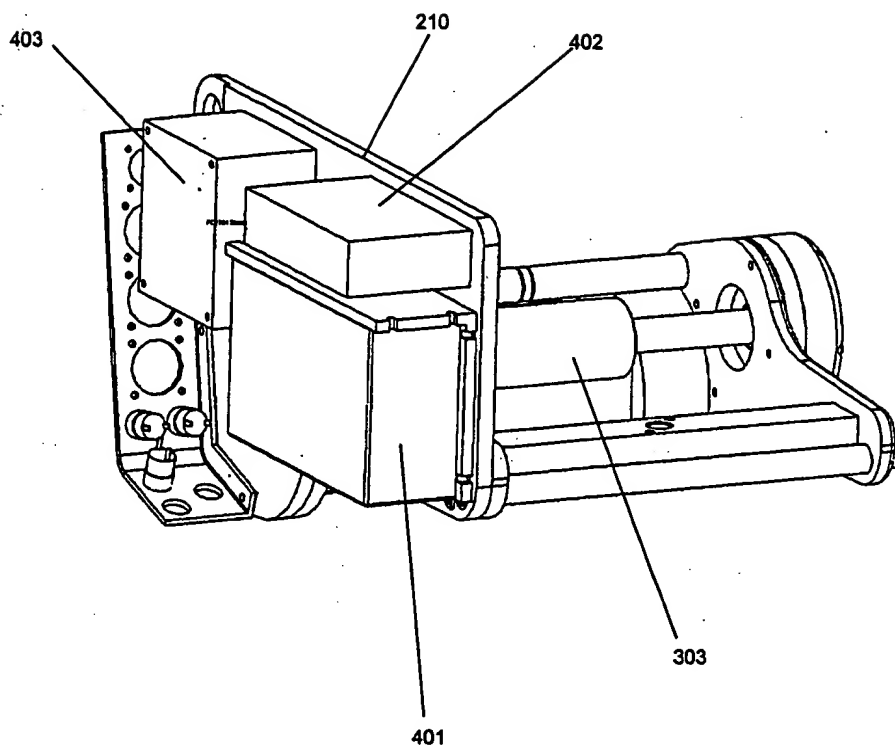


Figure 5

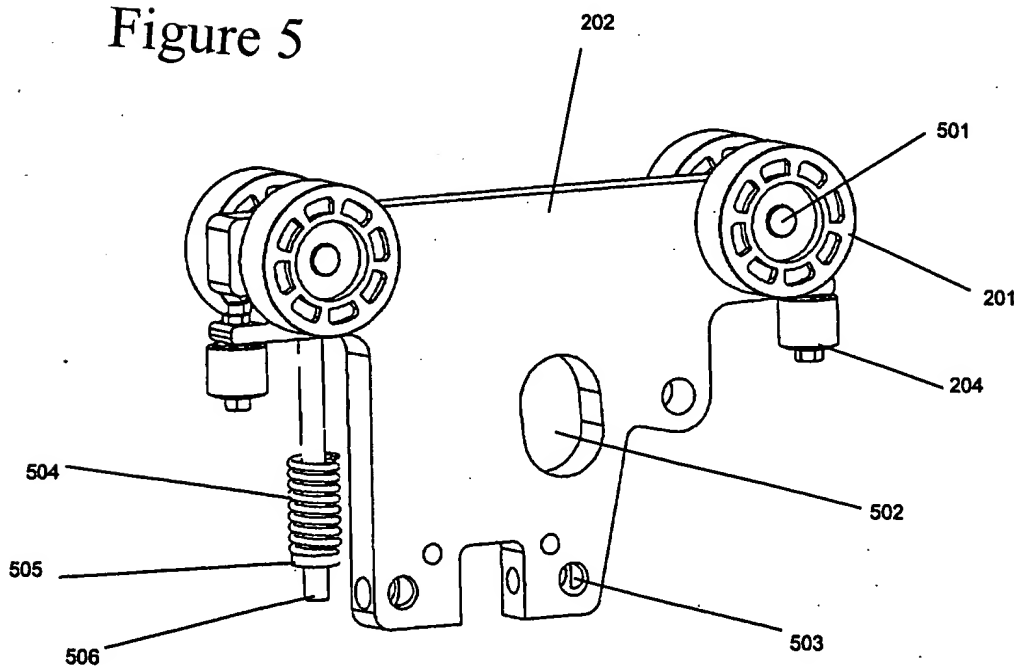


Figure 6

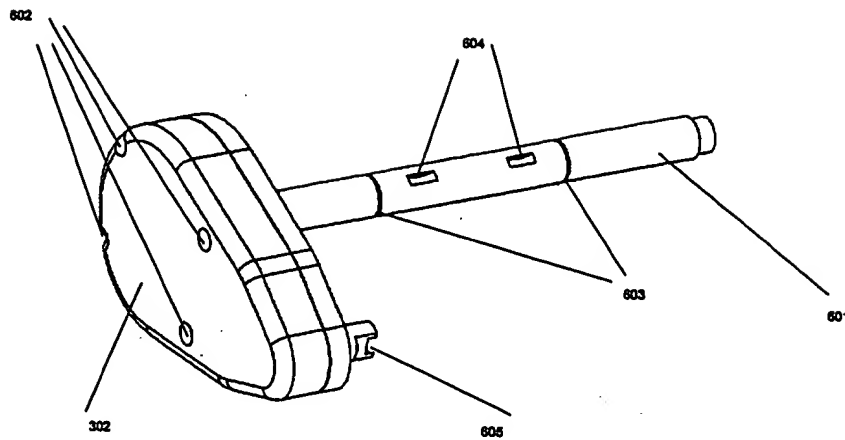


Figure 7

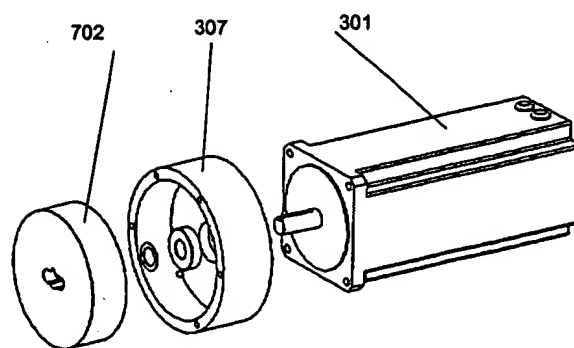


Figure 8

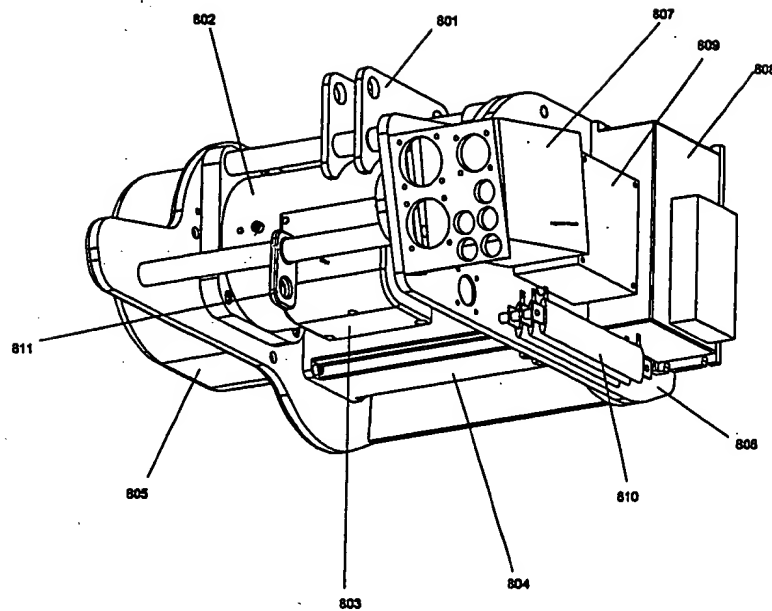


Figure 9

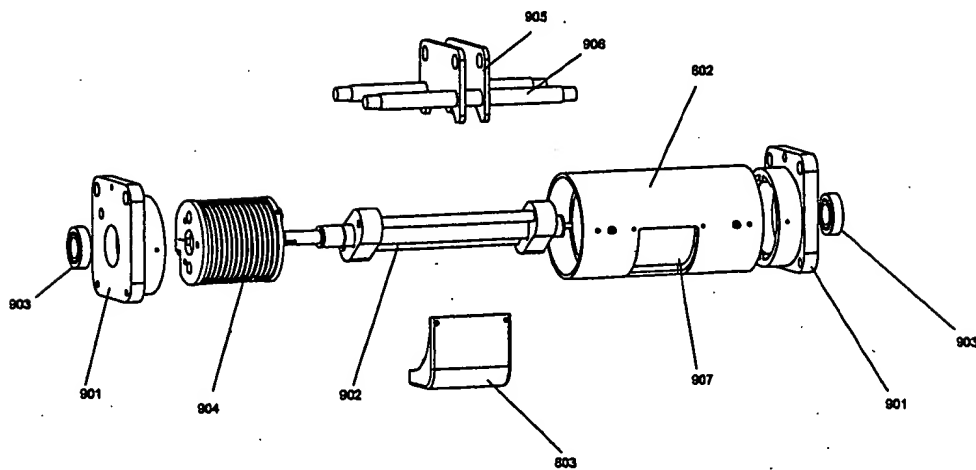


Figure 10

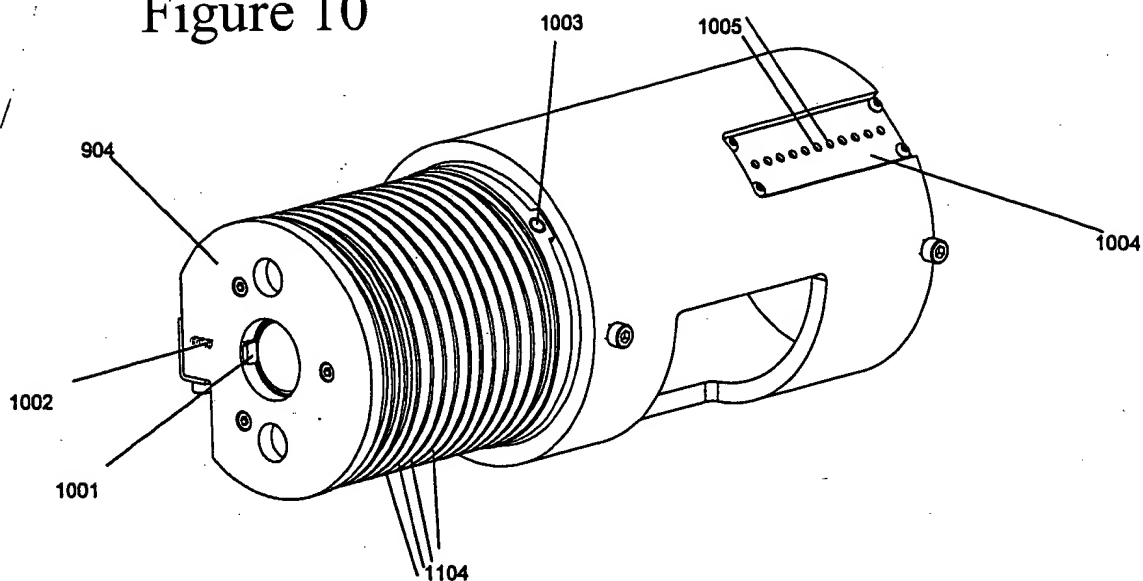


Figure 11

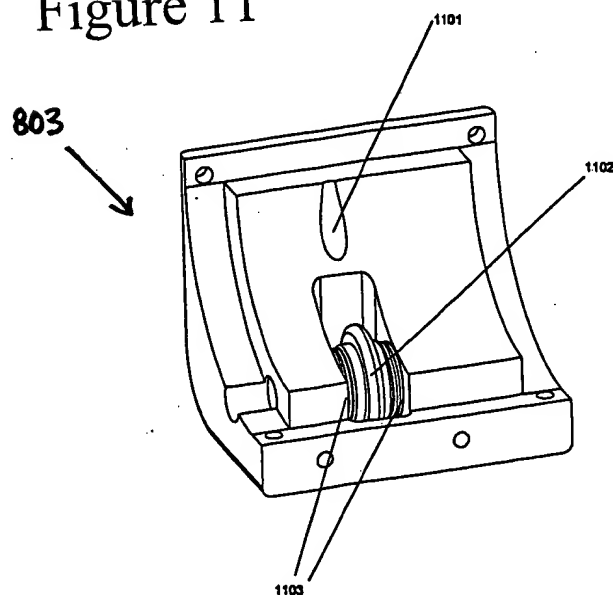


Figure 12

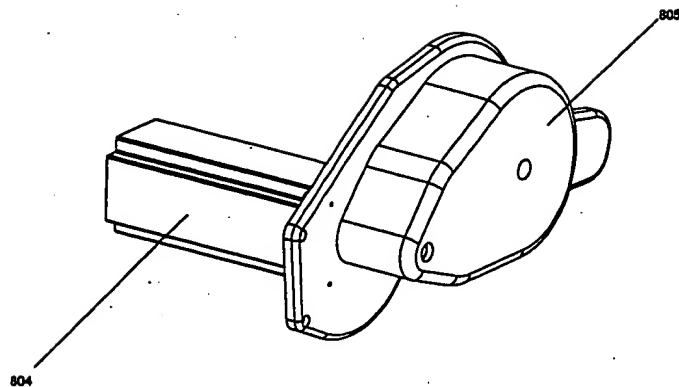


Figure 13

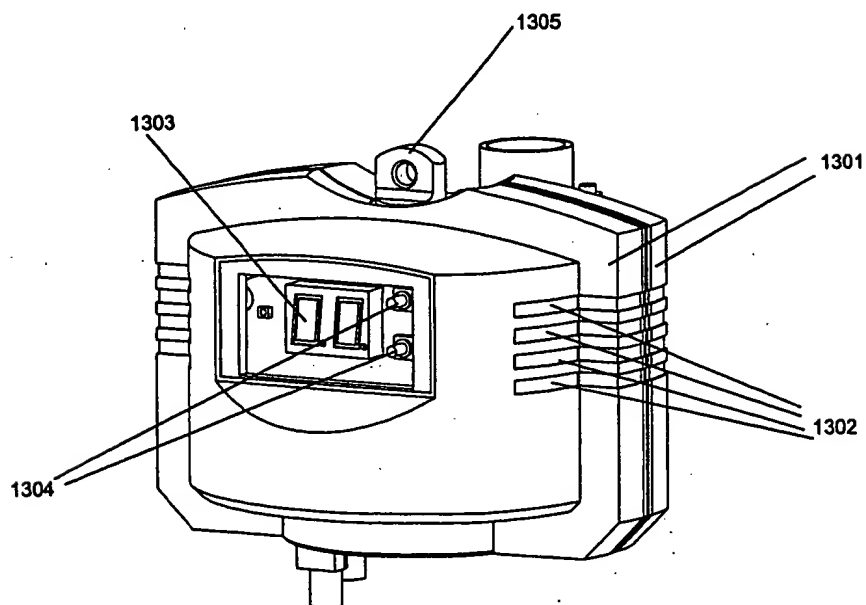


Figure 14

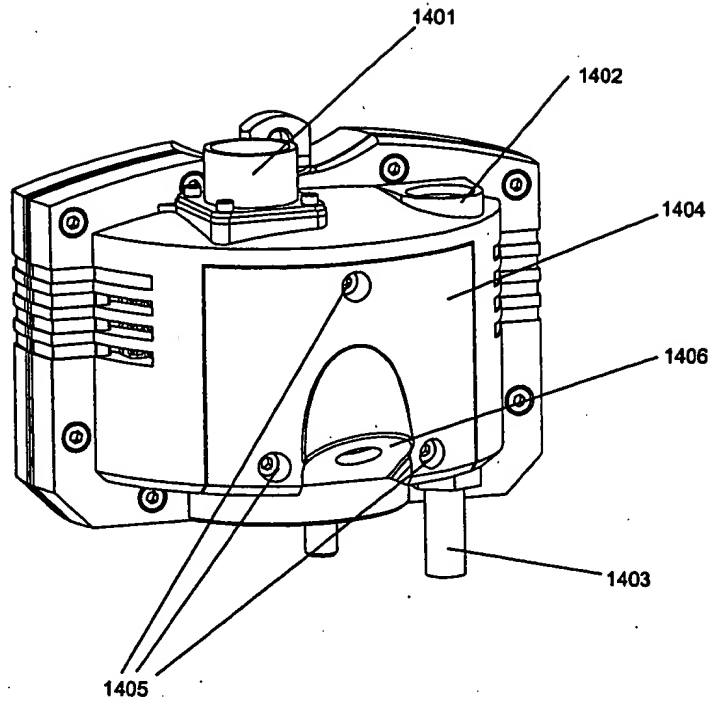


Figure 15

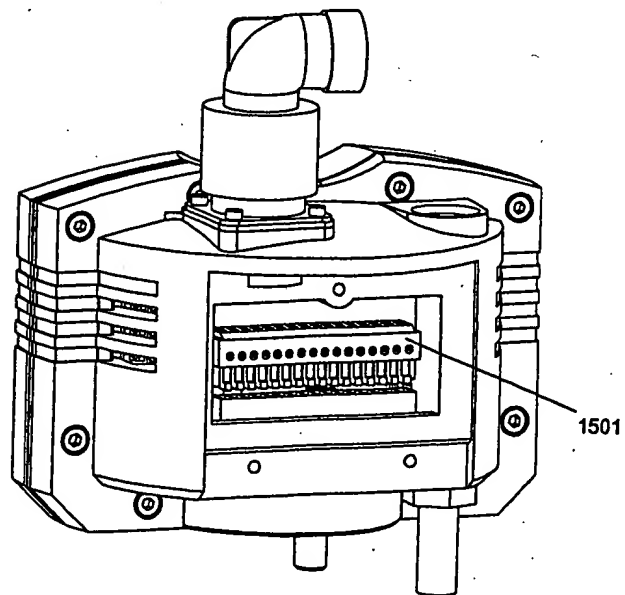




Figure 16

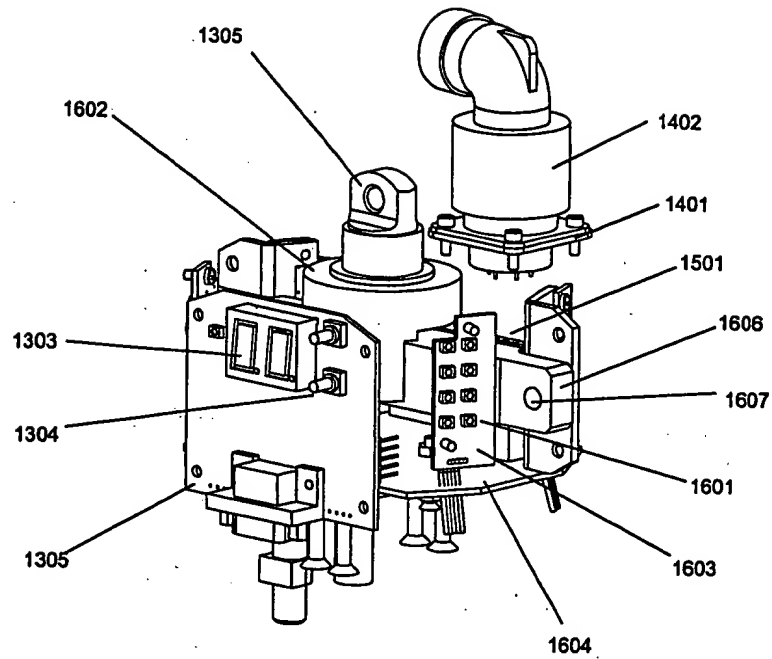


Figure 17

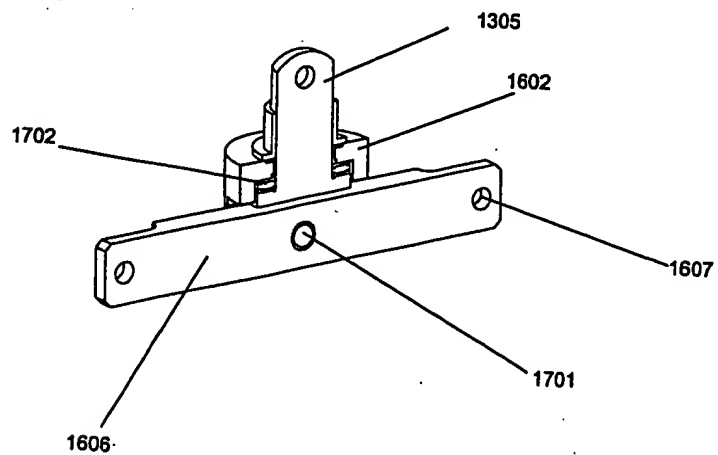


Figure 18

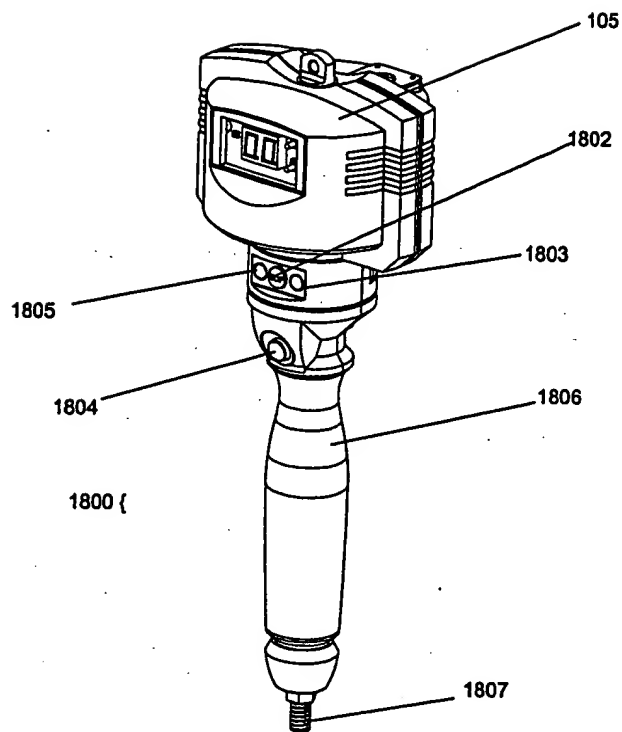


Figure 19

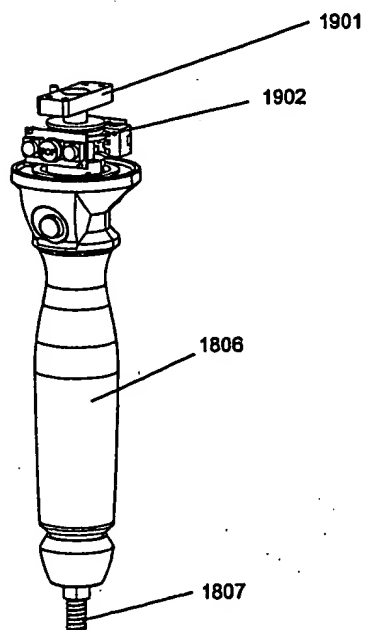


FIGURE 20a

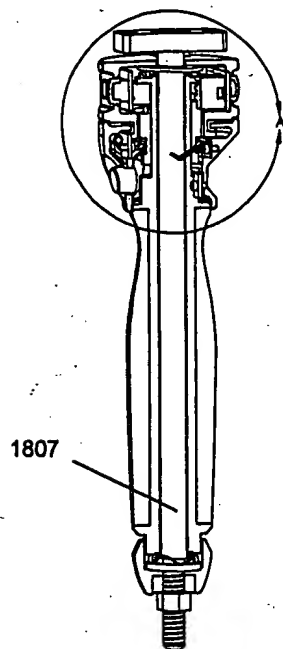


FIGURE 20b

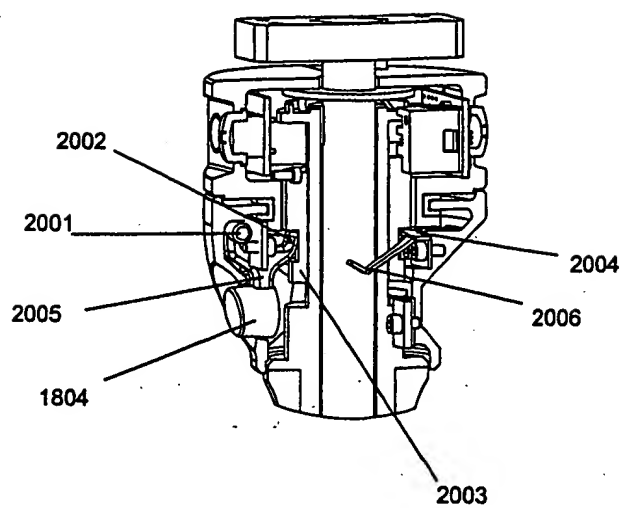


Figure 21

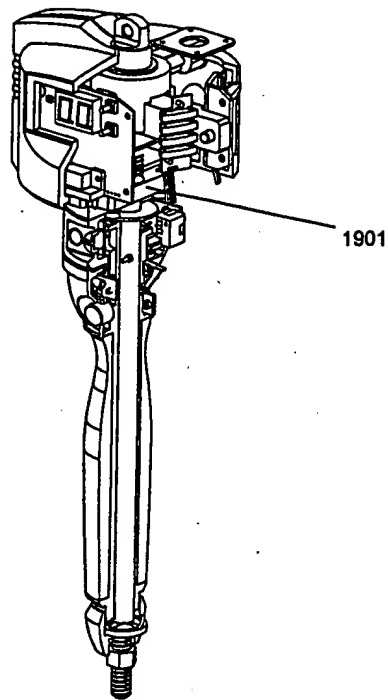


Figure 22

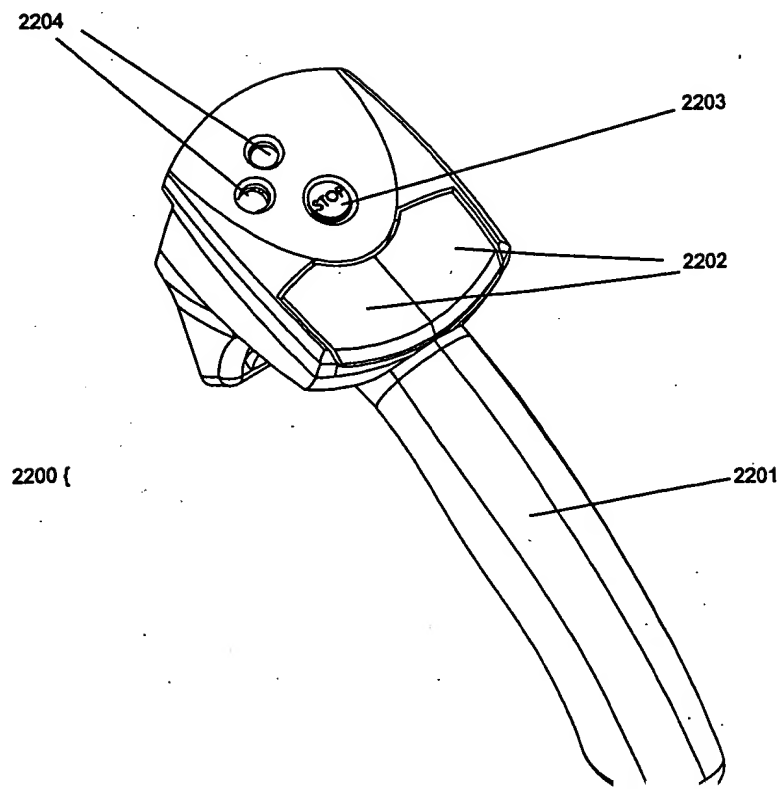
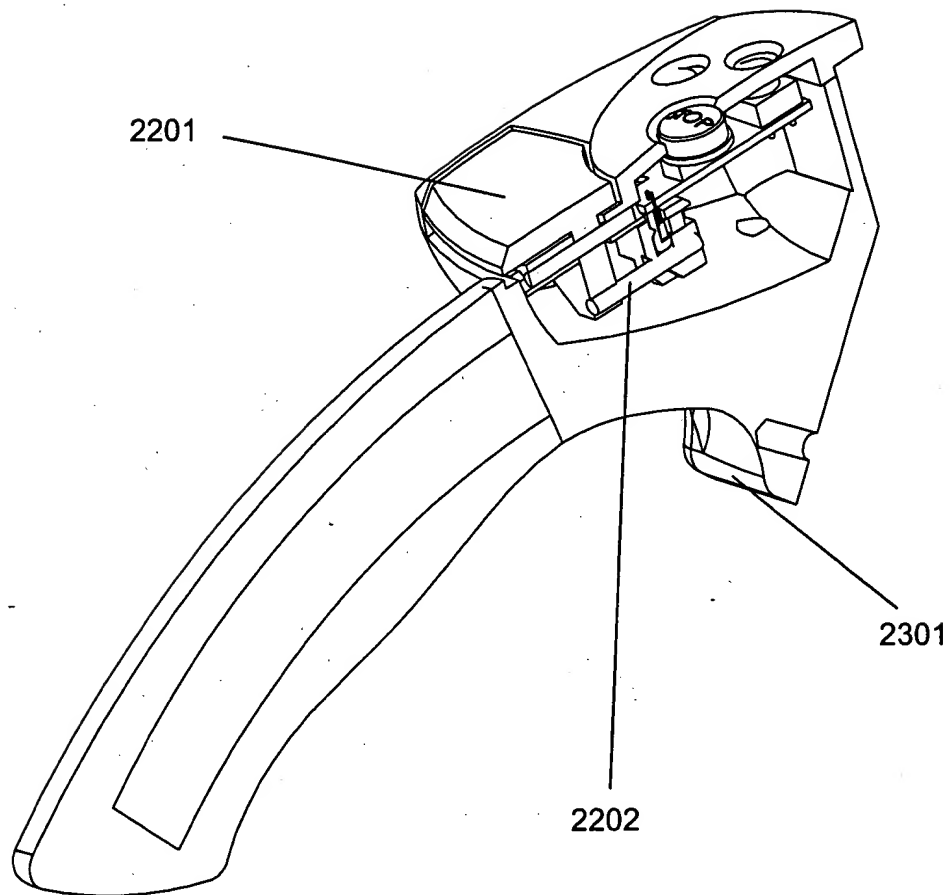


Figure 23



00741606 0041204

Figure 24

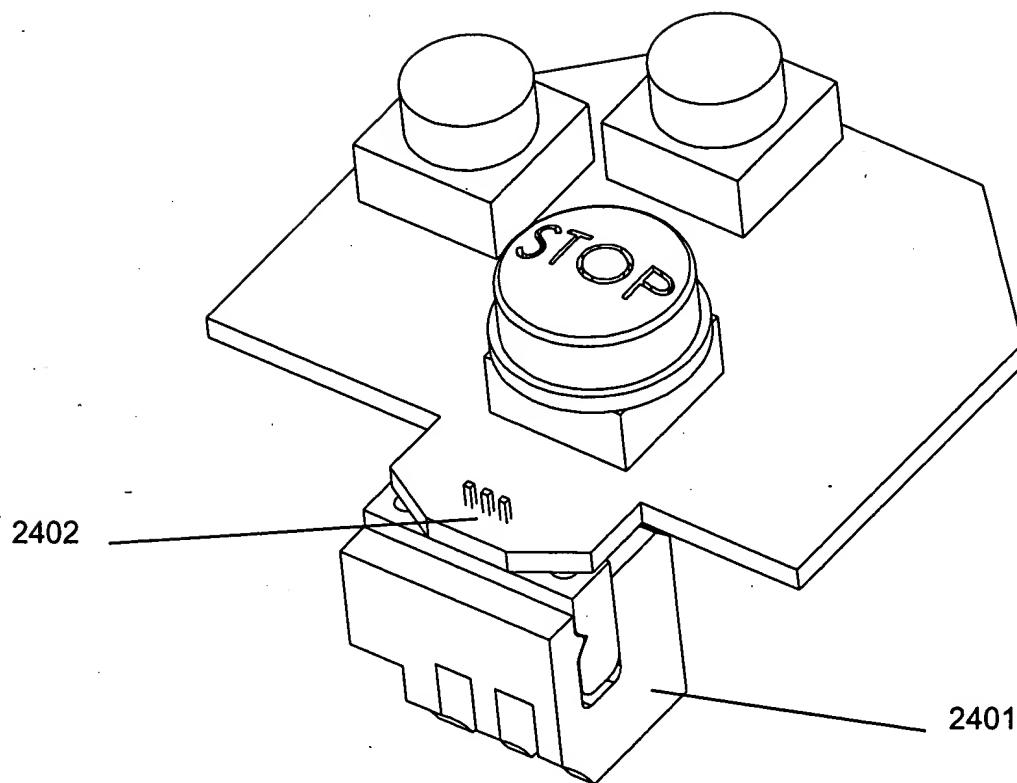


Figure 25

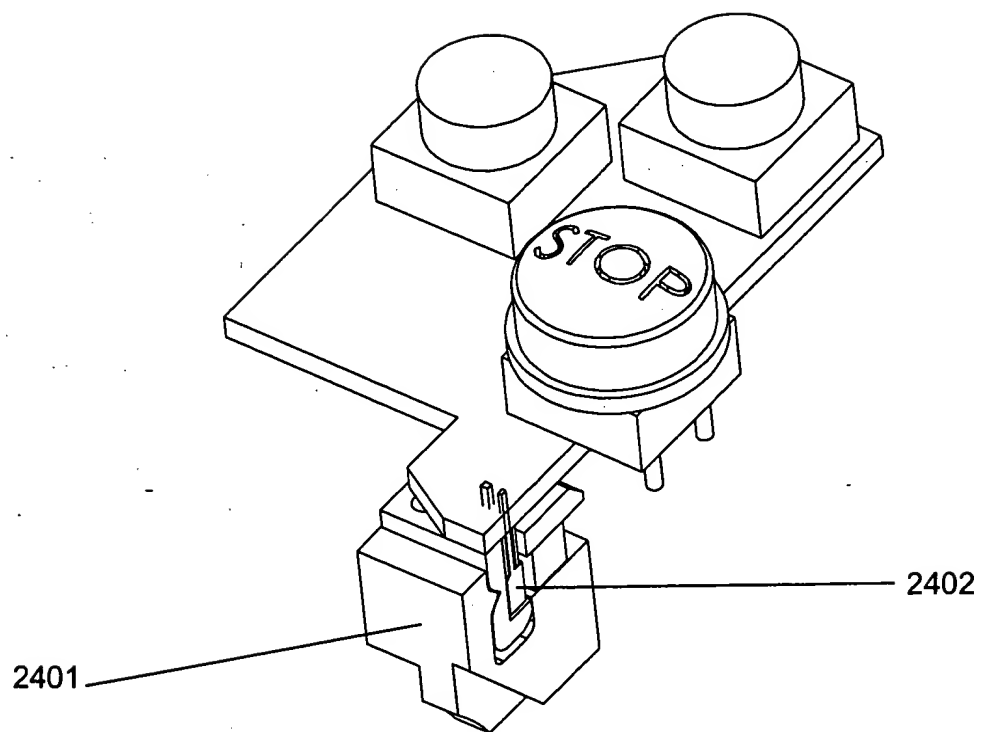
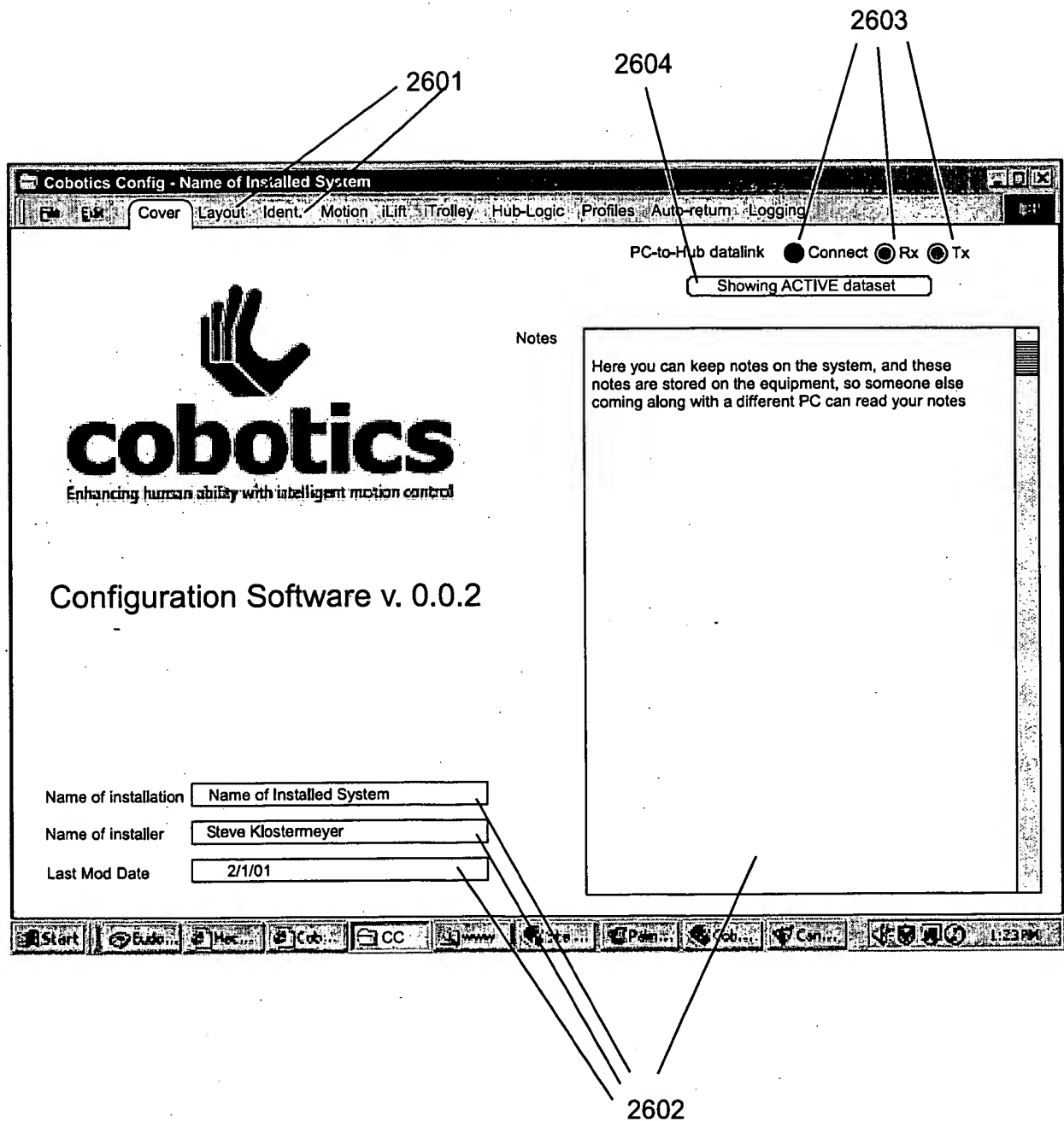


Figure 26





# Figure 27

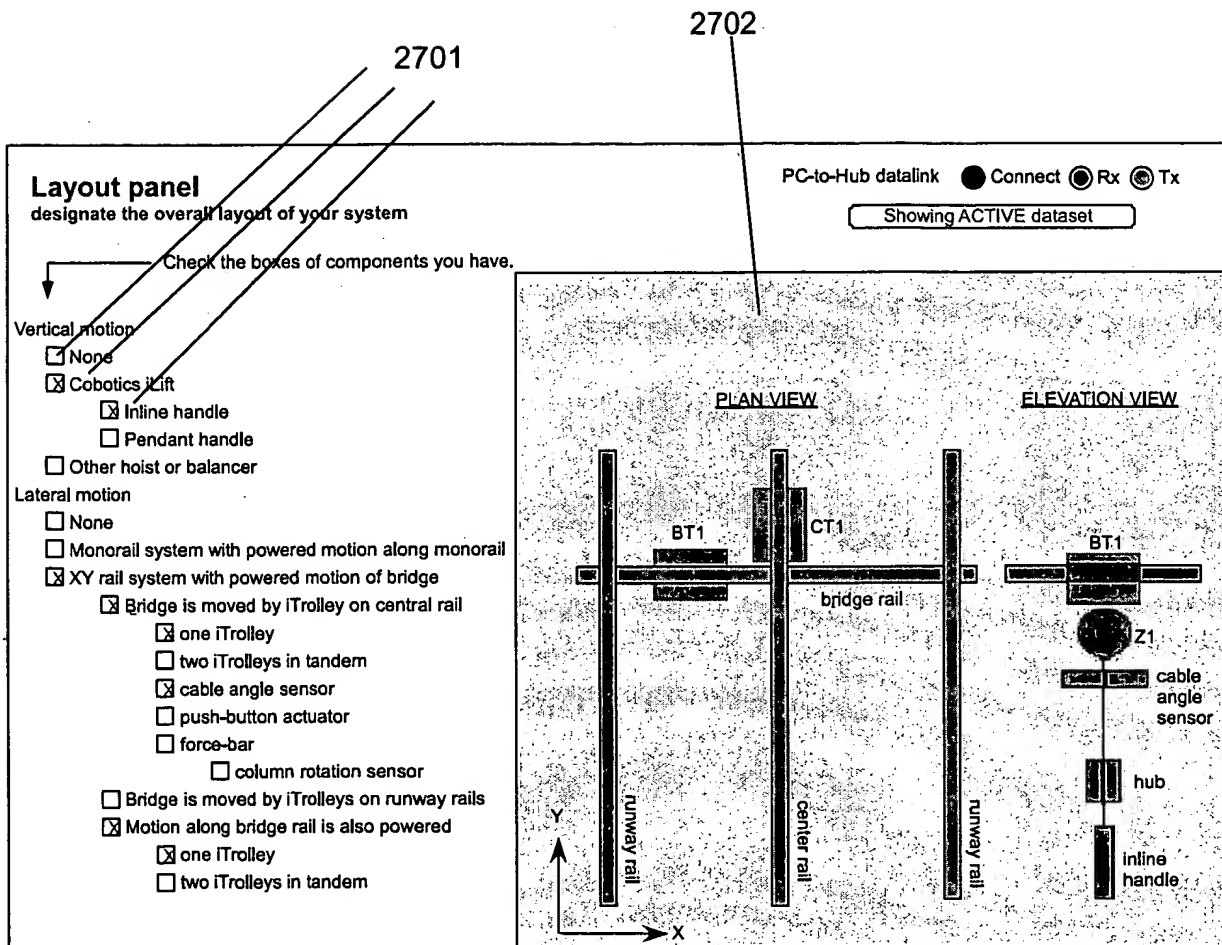
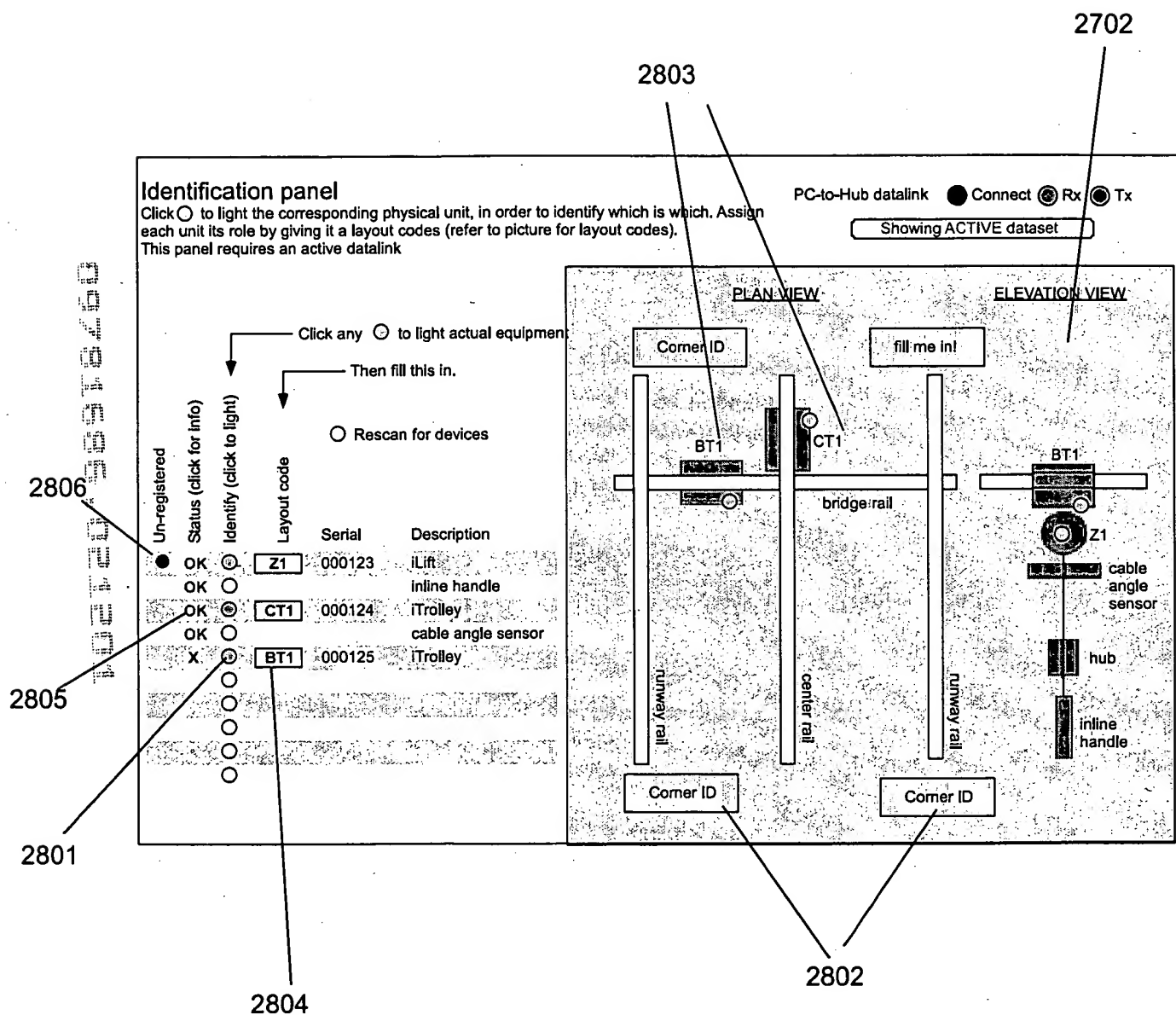
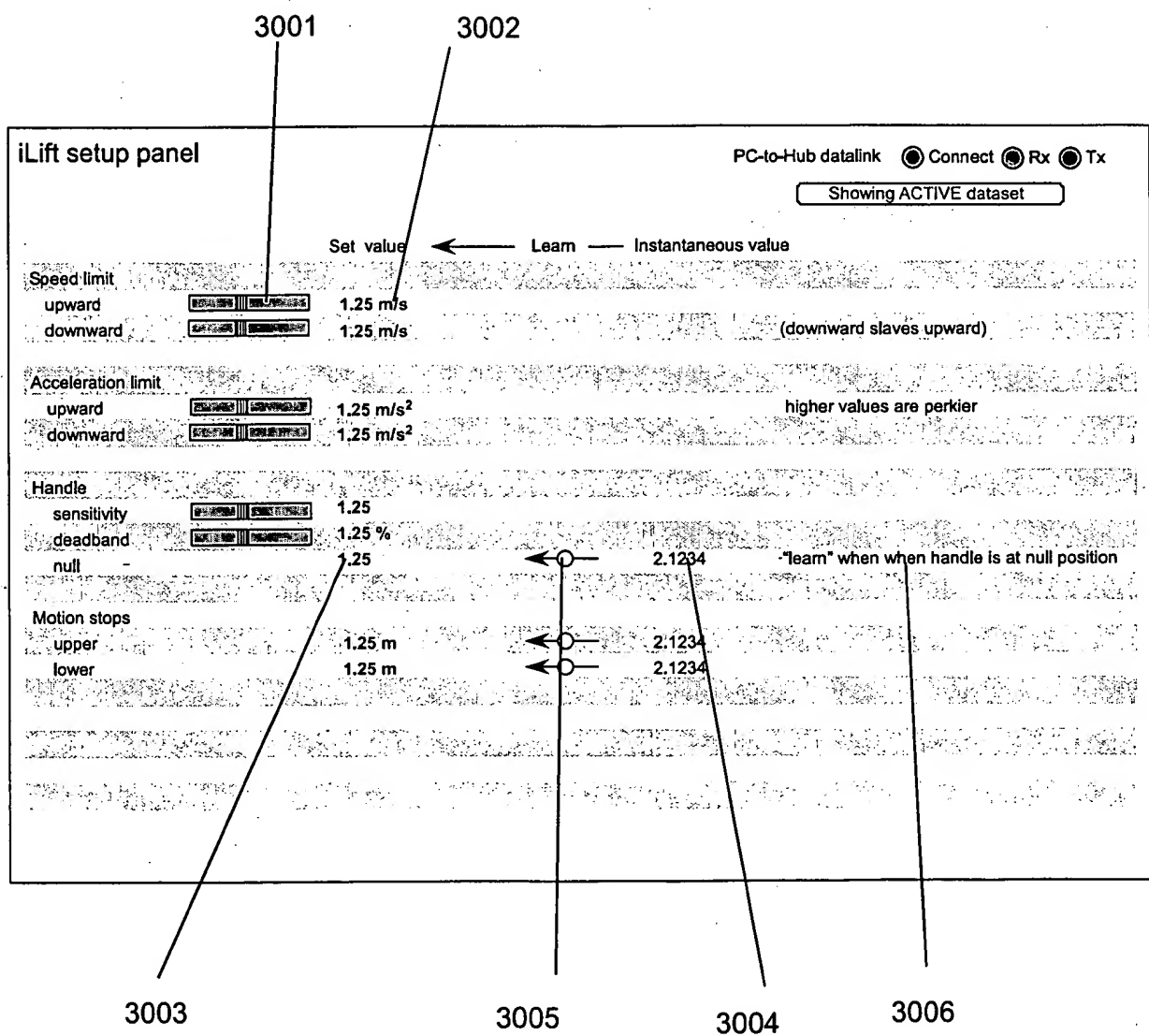


Figure 28



[illegible]

Figure 30



# Figure 31

3100 {

**Lateral motion setup panel**

PC-to-Hub datalink ☒ Connect ☒ Rx ☒ Tx

Showing OFFLINE dataset

Set value ← Learn — Instant. value

Speed limit		1.25 m/s	
Acceleration limit		1.25 m/s <sup>2</sup>	
Estimate of moving mass on bridge		1.25 kg	<input checked="" type="radio"/> Measure it by jogging bridge
Estimate of moving mass on carriage		1.25 kg	<input checked="" type="radio"/> Measure it by jogging carriage
Estimate of bridge length		1.25 m	<input checked="" type="radio"/> Measure it by skewing bridge
Bridge skew null		1.25	← <input checked="" type="radio"/> jog+ <input checked="" type="radio"/> jog jog it straight; then "learn"
Cable angle sensor			
sensitivity		1.25	
deadband		1.25 %	
null		1.25, 1.25, 5.00	← <input checked="" type="radio"/> 2.1234 leave it vertical; then "learn"
Force bar			
sensitivity		1.25	
deadband		1.25 %	
null		1.25, 1.25, 5.00	← <input checked="" type="radio"/> 2.1234 don't touch it; then "learn"
End of travel limit runway (-Y)		1.25	← <input checked="" type="radio"/> 2.1234
End of travel limit runway (+Y)		1.25	← <input checked="" type="radio"/> 2.1234
End of travel limit bridge (-X)		1.25	← <input checked="" type="radio"/> 2.1234
End of travel limit bridge (+X)		1.25	← <input checked="" type="radio"/> 2.1234

Figure 32

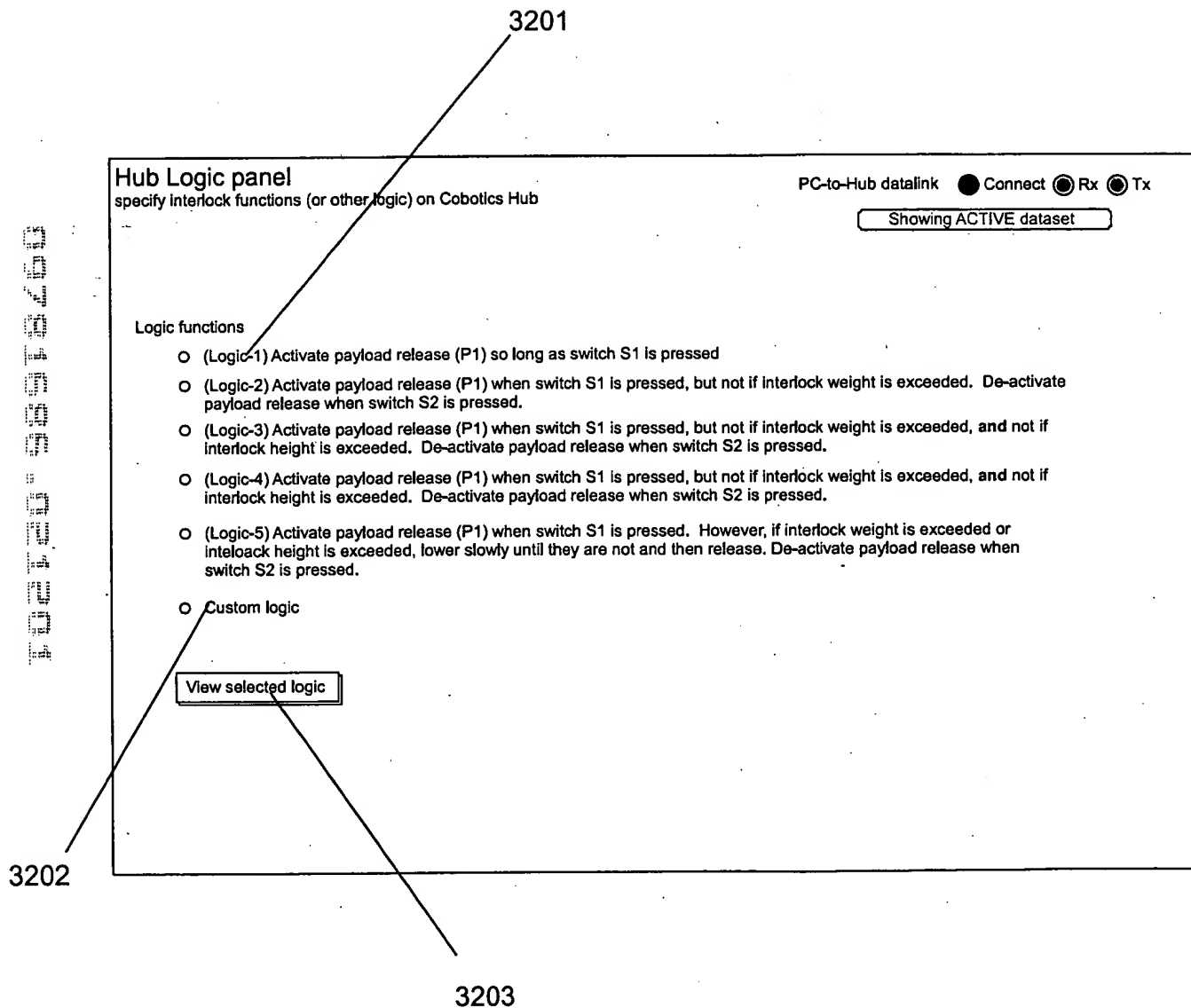


Figure 33

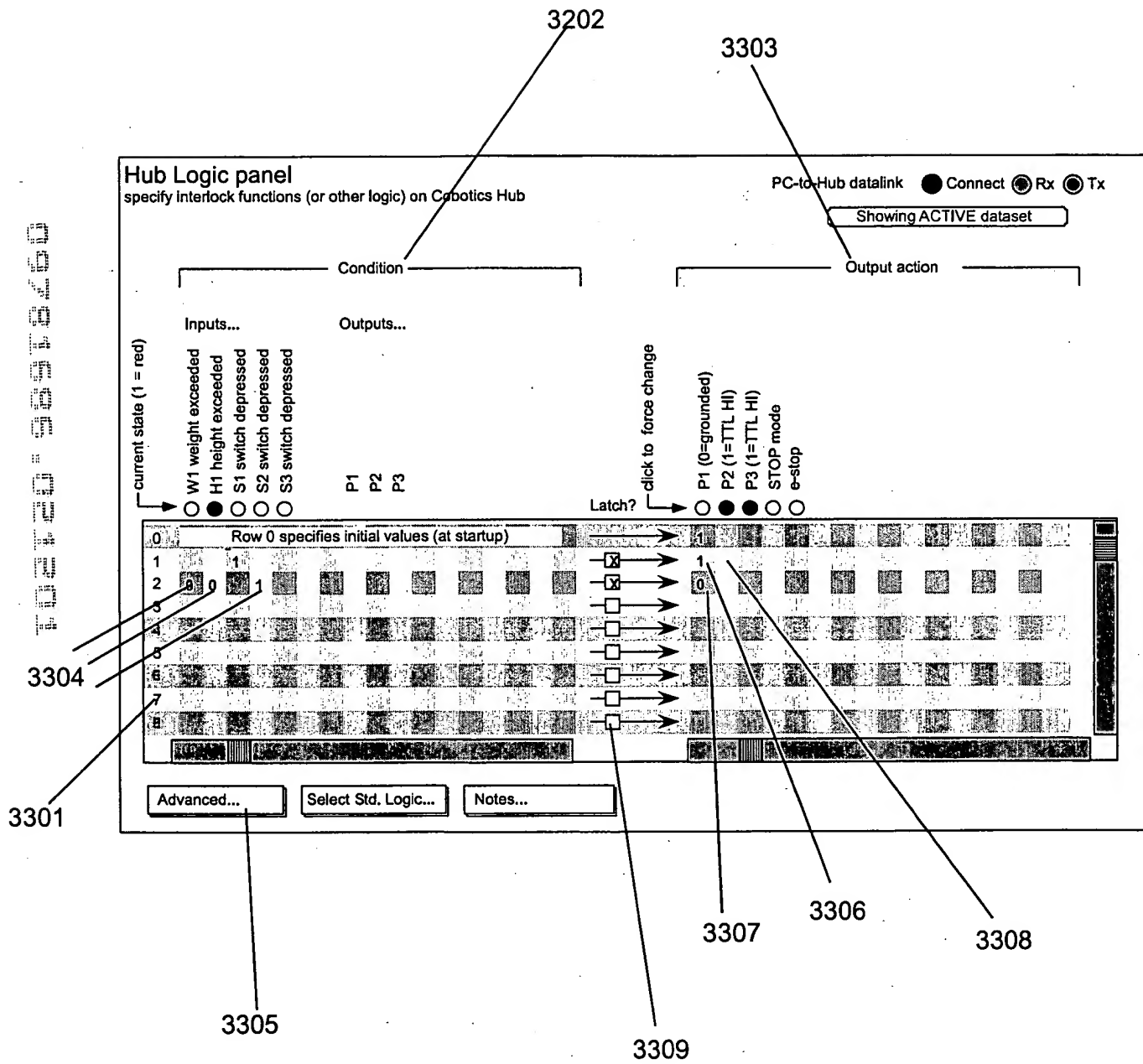


Figure 34

3403 3402 3401

**Profiles setup panel**  
all selections are subject to overall limits, on iLift & iTrolley pages

PC-to-Hub datalink ☐ Connect ☒ Rx ☐ Tx

Showing ACTIVE dataset

Profile ID	MD	HI	SK
Owner name	Default medium profile	Default fast profile	Steve Klostermeyer
iLift speed limit	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
acceleration limit	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
sensitivity	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
deadband	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
iTrolley speed limit	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
acceleration limit	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
sensitivity	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
deadband	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>

Use default values ☐ LO ☐ MD ☐ HI    Use default values ☐ LO ☐ MD ☐ HI    Use default values ☐ LO ☐ MD ☐ HI

☐ Remove profile ☐ Add new profile    ☐ Remove profile ☐ Add new profile    ☐ Remove profile ☐ Add new profile

Instructions: Operators can select their individualized profile at the Hub. Move sliders to adjust feel. Slider values are relative to limits set on the iLift and iTrolley setup pages. You can set a profile to the LO, MD, or HI defaults by clicking a button.

3404



FIG. 35

Figure 35

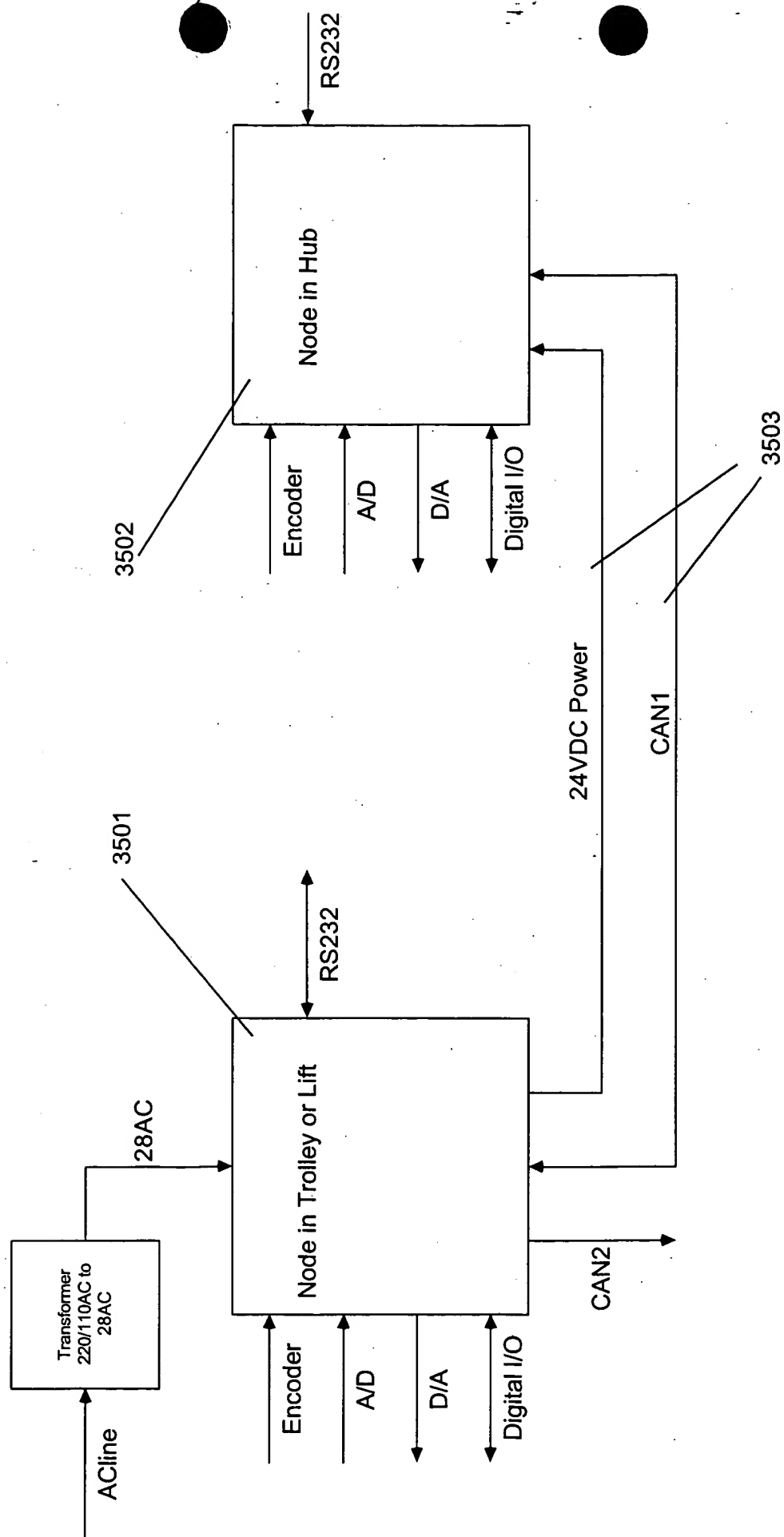


Figure 36

3602 3601 3603

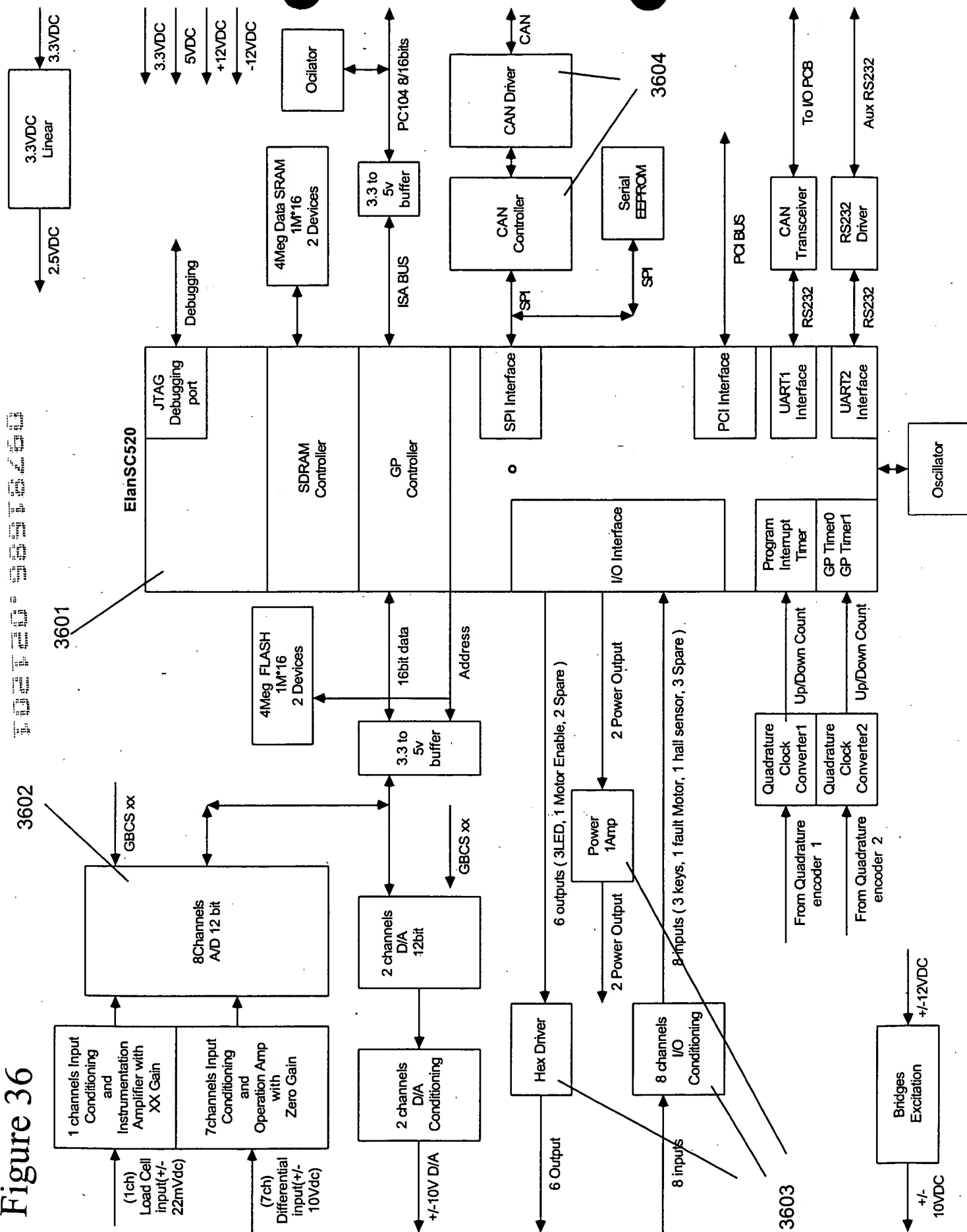


Figure 37

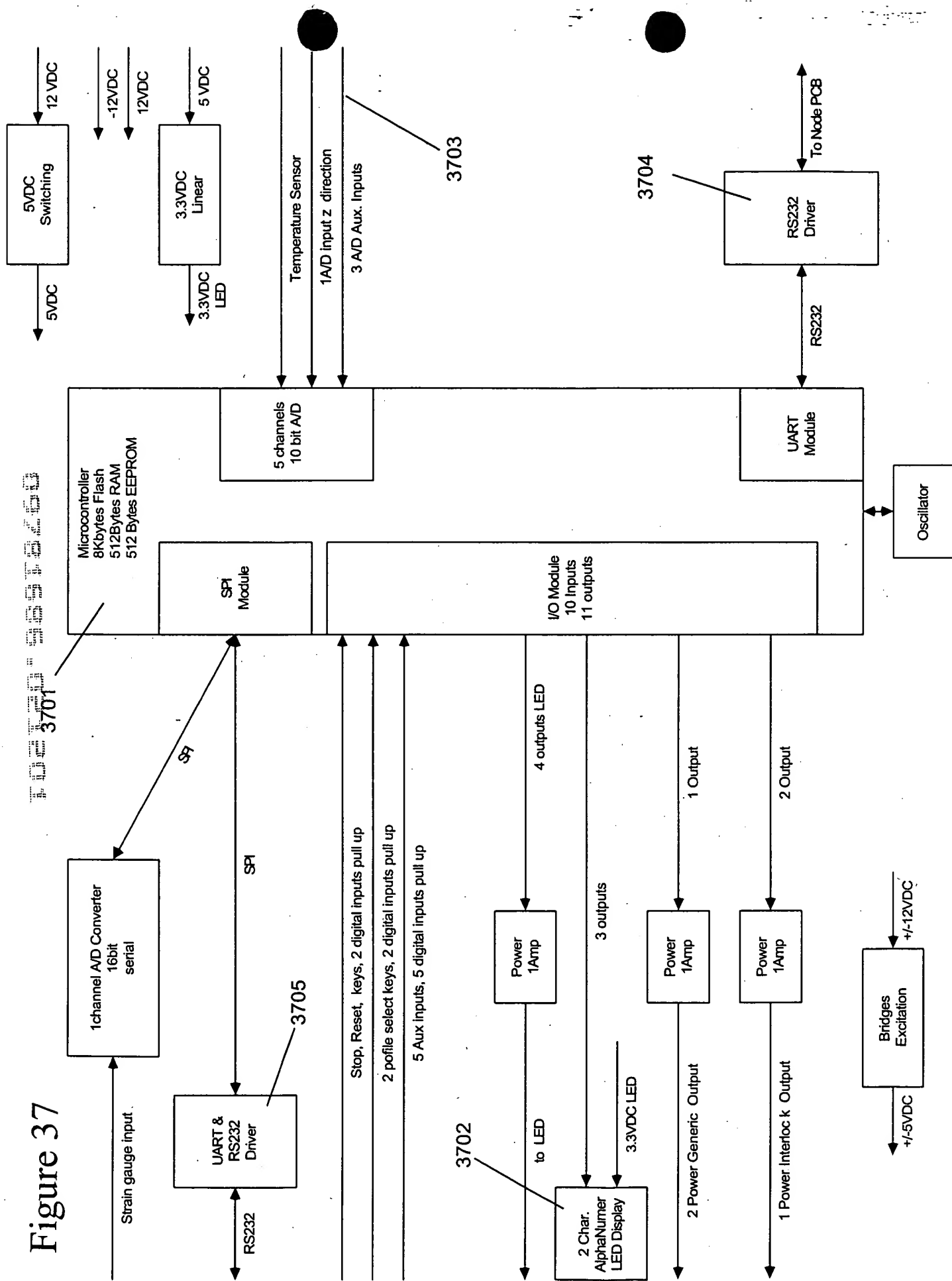


Figure 38

Field	Size (bytes)	Data Format	Description
SIZE	1	binary	Packet size.
DEVICE_ID	1	binary	Destination device ID.
CMD_TYPE	1	binary	Command type.
DATA	Variable	binary	Actual data associated with the CMD_TYPE field.
CHKSUM	1	binary	Checksum of the packet. This byte equals to the two's complement of the sum of the SIZE, DEVICE_ID, TYPE and DATA, omitting any carry.

00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000